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## Amendment to the Specification

Please replace paragraph [0001] with paragraphs [0001] and [0001.1] and the heading preceding paragraph [0001.1], as follows:

## **CROSS-REFERENCE TO RELATED APPLICATIONS**

[0001] This application claims priority to U.S. provisional application, Serial No. 60/443,086, filed on January 28, 2003, entitled "Producing Windowed Noise Reduced Signals for Fourier and High Resolution Signal Processing for Spectroscopies such as NMR, ICR, etc.," and U.S. provisional application, Serial No. 60/445,671, filed on February 7, 2003, entitled "Producing Windowed Noise Reduced Signals for Fourier and High Resolution Signal Processing for Spectroscopies such as NMR, ICR, etc." The entire content of both applications is incorporated herein by reference.

## GOVERNMENT'S INTEREST IN APPLICATION

[0001.1] This invention was made with government support under Grant No. PHY-0071742, awarded by the National Science Foundation of the United States

Government. The government has certain rights in the invention.